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JUL 0 & 2007

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450,

on the below date: Date: June 28, 2007

Name: <u>C. Noel Kaman</u>

Signature: C. Moel Karma

BRINKS HOFER GILSON &LIONE

In re	l Appln. of:			D STATES PA	TENT AN	D TRAC	EMARK	OF	FICE 1		<u> </u>
Pater	Patent No.: 7,189,566 B2						Examiner: Eileen B. O'Hara				3
Issue	Date:	March	13, 20	007			Art Un	it:	1646		
For:		PRO34	47 NU	CLEIC ACIDS		- 1,1				Certif	ficate
Attor	ney Docket	No:	10466	6/138						ин О	6 2007
											· •
P. O. I	iissioner for F Box 1450 ndria, VA 223					Т	RANSI	ΛIΤ		of Cor	rection
Sir:											
	duplicate; Return Rece alculation: No additiona Small Entity. An extension A petition or An additiona Claims Re	eipt Postca al fee is re n fee in ar processir al filing fee maining	ard. equired. n amoui	nt of \$ for a n an amount of \$ een calculated as sh	month under 3 nown below:	extension 7 C.F.R. §	n of time un	der ;	37 C.F.R.	§ 1.136(a).	
Total	After Ame	ndment	Minus	Previously Paid For	Extra	Rate x \$25=	Add'l Fee	or	Rate x \$50=	Add'l Fee	1
Indep.			Minus			x 100=			x \$200=		
First P	resentation of I	Multiple De	p. Claim			+\$180=			+ \$360=		
						Total	\$		Total	\$	J
Fee p	Please charger for this purp Payment by The Director and any par	ge Depos ose. credit car r is hereby tent appli ee require	it Account in the y author cation ped to en	is enclosed. unt No. 23-1925 in the amount of \$ rized to charge payroccessing fees undersure that this paper.	(Form PTO ment of any der 37 CFR ver is timely	-2038 is a additiona § 1.17 a filed), or	nttached). I filing fees associated v	requ with	ired unde this pape	r (including	1.16 _J any
	Respectfully submitted										

BRINKS HOFER GILSON &LIONE June 28, 2007 Date

C. Noel Kaman (Reg. No. 51,857)

BRINKS HOFER GILSON & LIONE
NBC Tower – Suite 3600, 455 N. Cityfront Plaza Drive, Chicago, IL 60611-5599

6 2007



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Date: June 28, 2007

BRINKS HOFER GILSON &LIONE

	IN THE UNITED STATES PATENT AND TRA	ADEMARK OFFICE '
In re Appln. of:	Botstein et al.	
Patent No.:	7,189,566 B2	Examiner: Eileen B. O'Hara

Issue Date:

March 13, 2007

Art Unit: 1646

For:

Sir:

PRO347 NUCLEIC ACIDS

Attorney Docket No:

10466/138

Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

TRANSMITTAL

Attac	thed Is/are:
\boxtimes	Transmittal, in duplicate; Request for Certificate of Correction, in duplicate; Certificate of Correction, in duplicate;
\boxtimes	Return Receipt Postcard.
Fee c	calculation:
\boxtimes	No additional fee is required.
	Small Entity.
	An extension fee in an amount of \$ for amonth extension of time under 37 C.F.R. § 1.136(a).
	A petition or processing fee in an amount of \$ under 37 C.F.R. § 1.17().
	An additional filing fee has been calculated as shown below:

		.,	·		Sma	II Entity		Not a S	mall Entity
	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra	Rate	Add'l Fee	or	Rate	Add'l Fee
Total		Minus			x \$25=			x \$50=	
Indep.		Minus			x 100=			x \$200=	
First Pre	esentation of Multiple D	ep. Claim		<u> </u>	+\$180=			+ \$360=	
					Total	\$		Total	\$

Fee	payment:
	A check in the amount of \$ is enclosed.
	Please charge Deposit Account No. 23-1925 in the amount of \$. A copy of this Transmittal is enclosed for this purpose.
	Payment by credit card in the amount of \$ (Form PTO-2038 is attached).
\boxtimes	The Director is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this paper (including an extension fee required to ensure that this paper is timely filed), or to credit any overpayment, to Depos Account No. 23-1925.

Respectfully sub	omitted	,
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June 28, 2007 Date

BRINKS HOFER GILSON &LIONE

C. Noel Kaman (Reg. No. 51,857)

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BRINKS HOFER GILSON & LIONE

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	28 June 2007
PE	(Date of Deposit)
10th 40	C. Noel Kaman, Reg. No. 51,857
JUL 0 & 2007	
\	C. Noel Kaman
THE PARADELANT	Signature
MADO	76 June 3007
	Date of Signature

Our File No. 10466-138

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
David Botstein et al.)
Patent No.: 7,189,566 B2) Examiner: Eileen B. O'Hara
Issue Date: March 13, 2007) Group Art Unit: 1646
Serial No.: 09/944,896)
Filing Date: August 31, 2001)
For: PRO347 NUCLEIC ACIDS)

REQUEST FOR CERTIFICATE OF CORRECTION

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Attn: Certificate of Corrections Branch

Sir:

Please issue a Certificate of Correction for the above-identified patent to correct the errors listed on the accompanying Form PTO-1050. This request is being made pursuant to 35 U.S.C. § 254, since the errors comprise minor or typographical errors by the Patent and Trademark Office.

The Commissioner is hereby authorized to charge any fees required to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

C. Noel Kaman

Registration No. 51,857 Attorney for Applicants

BRINKS HOFER GILSON & LIONE P.O. Box 10395 Chicago, Illinois 60610 (312) 321-4200 I hereby certify that this correspondence is being deposited with the United States Postal Service, with sufficient postage, as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

	28 June 2007	
CAPE 40	(Date of Deposit)	_
(2)	C. Noel Kaman, Reg. No. 51,857	_
101 0 8 HOD TO	Name of applicant, assignee, or Registered Representative	
BIRDE I TRACEA AND	C. Noel Kaman	
TRADE	Signature	_
	7005 June 3007	
	Date of Signature	_

Our File No. 10466-138

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
David Botstein et al.)
Patent No.: 7,189,566 B2) Examiner: Eileen B. O'Hara
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Registration No. 51,857 Attorney for Applicants

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO

7,189,566 B2

Page 1 of 2

APPLICATION NO.:

09/944,896

ISSUE DATE

March 13, 2007

INVENTOR(S)

David Botstein et al.

It is certified that error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page

In column 1, item (75), replace "Austin Gurney" with -- Austin L. Gurney--.

In column 1, item (75), replace "William Wood" with --William I. Wood--.

In column 2, line 4, under "ABSTRACT", after "vectors and host" delete "cell" and substitute --cells-- in its place.

In the Claims

Column 255, in claim 4, line 1, before "host cell comprising" delete "A" and substitute -- An isolated -- in its place.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

PATENT NO. 7,189,566 B2

C. Noel Kaman **BRINKS HOFER GILSON & LIONE** P.O. Box 10395 Chicago, Illinois 60610

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO

7,189,566 B2

Page 2 of 2

APPLICATION NO. :

09/944,896

ISSUE DATE

March 13, 2007

INVENTOR(S)

David Botstein et al.

It is certified that error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Claims (cont'd)

Column 256, in claim 5, line 1, before "host cell of claim 4", insert --isolated--.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

PATENT NO.

7,189,566 B2

C. Noel Kaman

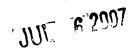
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